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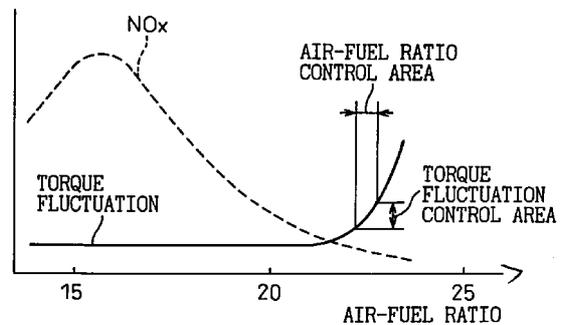
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(54) **Method of controlling an air-fuel ratio of an engine**

(57) In an engine, the elapsed time for rotation through 30 degrees crank angle near top dead center of the compression stroke and the elapsed time for rotation through 30 degrees crank angle near 90 degrees after top dead center of the compression stroke are found and the amount of torque fluctuation is found from these elapsed times. Whether the vehicle is driving on a rough road is judged from the amount of fluctuation of the angular velocity of the crankshaft. When it is judged that the vehicle is driving on a rough road, the correction of the air-fuel ratio based on the amount of torque fluctuation is prohibited.

Fig.3



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EUROPEAN SEARCH REPORT

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EP 97 10 8963

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	JP 07 279732 A (MITSUBISHI MOTORS CORP) 27 October 1995 (1995-10-27) & US 5 687 692 A (MITSUBISHI) 18 November 1997 (1997-11-18) * abstract * * figures 16-21 * * column 2, line 14 - column 7, line 18 * * column 13, line 31 - column 16, line 30 * * column 26, line 5 - column 37, line 39 * * claims 1-4,11 *	1-4,7,8, 16,19	F02D41/14
A	EP 0 610 508 A (MITSUBISHI MOTORS CORP) 17 August 1994 (1994-08-17) * abstract * * column 2, line 35 - column 3, line 47 *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6) F02D
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The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>12 July 1999</b>	Examiner <b>Trotureau, D</b>
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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